Vol. 199 No. 1/2

GENE

AN INTERNATIONAL JOURNAL ON GENES AND GENOMES

15 October 1997

CONTENTS

Rayko, E. 1–18
Organization, generation and replication of amphimeric genomes: a review

Ide, N. and Kutsukake, K. 19–23
Identification of a novel *Escherichia coli* gene whose expression is dependent on the flagellum-specific sigma factor, FliA, but dispensable for motility development

Tucker, R.M. and Burke, D.T. 25–30
Two vectors for the insertion of mammalian selectable genes into yeast artificial chromosome cloned DNA

Soto, J.G., Nelson, B.H. and Weisblat, D.A. ... 31–37
A leech homolog of *twist*: evidence for its inheritance as a maternal mRNA

Wang, H., Frelin, L. and Pevsner, J. 39–48
Human syntaxin 7: a Pep12p/Vps6p homologue implicated in vesicle trafficking to lysosomes

Handfield, J., Gagnon, L., Dargis, M. and Huletsky, A. 49–56
Sequence of the *ponA* gene and characterization of the penicillin-binding protein 1A of *Pseudomonas aeruginosa* PAO1

Davey, H.W., Ogg, S.L., Husaini, Y., Snell, R.G., Korobko, I.V., Mather, I.H. and Wilkins, R.J. 57–62
Structure and sequence of the bovine butyrophilin gene

Veitia, R.A., Fellous, M. and McElreavey, K. ... 63–70
Conservation of Y chromosome-specific sequences immediately 5′ to the testis determining gene in primates

Martínez-Calvillo, S., López, I. and Hernández, R. 71–76
pRIBOTEX expression vector: a pTEX derivative for a rapid selection of *Trypanosoma cruzi* transfectants

Hiramatsu, Y., Kato, R., Kawaguchi, S.-i. and Kuramitsu, S. 77–82
Cloning and characterization of the *uvrD* gene from an extremely thermophilic bacterium, *Thermus thermophilus* HB8

Thomas, P.W., Wyckoff, E.E., Pishko, E.J., Yu, J.-J., Kirkland, T.N. and Cole, G.T. 83–91
The *hsp*60 gene of the human pathogenic fungus *Coccidioides immitis* encodes a T-cell reactive protein

Olson, J.W. and Maier, R.J. 93–99
The sequences of *hypF*, *hypC* and *hypD* complete the *hyp* gene cluster required for hydrogenase activity in *Bradyrhizobium japonicum*

Gomez-Escobar, N., van den Biggelaar, A. and Maizels, R. 101–109
A member of the TGF-β receptor gene family in the parasitic nematode *Brugia pahangi*

Singleton, C.K. 111–121
Identification and characterization of the thiamine transporter gene of *Saccharomyces cerevisiae*

Evans, P. and Kemp, J. 123–131
Exon/intron structure of the human transferrin receptor gene

Suzuki, G., Watanabe, M., Toriyama, K., Isogai, A. and Hinata, K. 133–137
Direct cloning of the *Brassica S* locus by using a P1-derived artificial chromosome (PAC) vector

Dick, T., Bahri, S.M. and Chia, W. 139–143
Drosophila DPP2C1, a novel member of the protein phosphatase 2C (PP2C) family

Ocheretina, O. and Scheibe, R. 145–148
Cloning and sequence analysis of cDNAs encoding plant cytosolic malate dehydrogenase

Arnaud, N., Cheynet, V., Oriol, G., Mandrand, B. and Mallet, F. 149–156
Construction and expression of a modular gene encoding bacteriophage T7 RNA polymerase

Pečenková, T., Beneš, V., Pačes, J., Vlček, Č. and Pačes, V. 157–163
Bacteriophage B103: complete DNA sequence of its genome and relationship to other *Bacillus* phages

Kiang, D.T., Jin, N., Tu, Z.-J. and Lin, H.H. 165–171
Upstream genomic sequence of the human connexin26 gene

Mandic, R., Trimble, W.S. and Lowe, A.W. 173–179
Tissue-specific alternative RNA splicing of rat vesicle-associated membrane protein-1 (VAMP-1)

Ludwig, D.L., Chen, F., Peterson, S.R., Nussenzweig, A., Li, G.C. and Chen, D.J. ... 181–194
Ku80 gene expression is Sp1-dependent and sensitive to CpG methylation within a novel *cis* element

Davies, T.G.E., Theodoulou, F.L., Hallahan, D.L. and Forde, B.G. 195–202
Cloning and characterisation of a novel P-glycoprotein homologue from barley

Izu, H., Kawai, T., Yamada, Y., Aoshima, H., Adachi, O. and Yamada, M. 203–210
Characterization of the *gntT* gene encoding a high-affinity gluconate permease in *Escherichia coli*

Fujii, M., Saijoh, K., Kobayashi, T., Fujii, S., Lee, M.J. and Sumino, K. 211–217
Analysis of bovine selenoprotein P-like protein gene and availability of metal responsive element (MRE) located in its promoter

Kim, Y.C., Miller, C.D. and Anderson, A.J. 219–224
Identification of adjacent genes encoding the major catalase and a bacterioferritin from the plant-beneficial bacterium *Pseudomonas putida*

Chang, T.M., Liu, C.C. and Chang, M.C. 225–229
Cloning and sequence analysis of the gene (*eprA1*) encoding an extracellular protease from *Aeromonas hydrophila*

Continued on inside back cover

The table of contents of *Gene* is included in ESTOC — Elsevier Science Tables of Contents service — which can be accessed on the World Wide Web at the following URL addresses:
http://www.elsevier.nl/locate/estoc or
http://www.elsevier.com/locate/estoc

0378-1119(19971015)199:1-2;1-5

Contents (*cont.*)

Kafala, B. and Sasarman, A. 231–239
Isolation of the *Staphylococcus aureus hemCDBL* gene cluster coding for early steps in heme biosynthesis

Aubourg, S., Takvorian, A., Chéron, A., Kreis, M. and Lecharny, A. 241–253
Structure, organization and putative function of the genes identified within a 23.9-kb fragment from *Arabidopsis thaliana* chromosome IV

Vinogradova, T., Volik, S., Lebedev, Y., Shevchenko, Y., Lavrentyeva, I., Khil, P., Grzeschik, K.-H., Ashworth, L.K. and Sverdlov, E. 255–264
Positioning of 72 potentially full size LTRs of human endogenous retroviruses HERV-K on the human chromosome 19 map. Occurrences of the LTRs in human gene sites

Chao, T.-H. and Bandman, E. 265–270
Cloning, nucleotide sequence and characterization of a full-length cDNA encoding the myosin heavy chain from adult chicken pectoralis major muscle

Mejía-Ruíz, H., Guzmán, J., Moreno, S., Soberón-Chávez, G. and Espín, G. 271–277
The *Azotobacter vinelandii alg8* and *alg44* genes are essential for alginate synthesis and can be transcribed from an *algD*-independent promoter

Fanning, T. and Alves, G. 279–282
A family of repetitive DNA sequences in Old World primates

Kaluz, S., Kaluzova, M. and Flint, A.P.F. 283–286
Sequencing analysis of prion genes from red deer and camel

Otterson, G.A. and Kaye, F.J. 287–292
A 'core ATPase', Hsp70-like structure is conserved in human, rat, and *C. elegans* STCH proteins

Kim, C.H., Oh, Y. and Lee, T.H. 293–301
Codon optimization for high-level expression of human erythropoietin (EPO) in mammalian cells

Heckmann, S., Schliwa, M. and Kube-Granderath, E. 303–309
Primary structure of *Neurospora crassa* γ-tubulin

Author Index Vol. 199 (1997) 311–313